

Associated Institute of the University of Basel

Swiss TPH Spring Symposium 2019

Post Graduate Specialty Training (PUST) of Family Medicine Doctors in Tajikistan; an Impact and Investment Case

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Introduction

- Medical Education Reform Project (SDC, Swiss TPH)
- Medical Education Reform for Family Medicine
 → Primary Health Care
- Two-year Post University
 Specialty Training (PUST)
 → Strong practical + theoretical focus
- One-year internship
 → Unstructured work experience



Evaluation Methodology

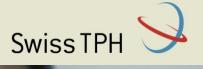
Objective Structured Clinical Examination (OSCE)

Multiple Choice Questionnaire (MCQ)

- \rightarrow Clinical skills, attitudes, behaviour \rightarrow Theoretical clinical knowledge
- 5 stations
- 4 patient simulators, 10 examiners
- 60-item MCQ
- 20 tracer diseases
- 3 invigilators

Data Analysis

Calculation of frequencies, Chi square test, Fisher exact test, ANOVA procedure



Sample

Group	Description	MCQ Sample	OSCE Sample
PUST 1st Year (N=20)	Graduated medical students newly entering the 2-yr PUST programme	N=20	N=20
Intern FDs (N=22)	Newly graduated FDs who under- went the 1-year internship (unstructured work experience)	N=8	N=6
PUST FDs (N=26)	Newly graduated FDs who just completed the 2-yr PUST programme	N=26	N=24

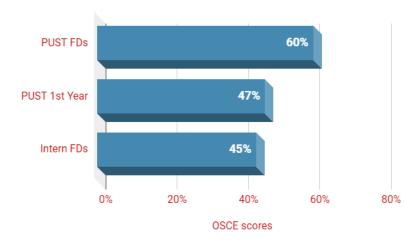


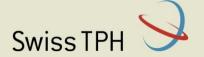


OSCE Results

- PUST FDs performed best, followed by the PUST 1st Year, with Intern FDs in fact performing poorest of all
- Significant differences between the performance of the PUST FDs and both Interns and PUST 1st Year (F=8.64, P=0.01)
- → PUST FDs achieving higher test scores on average (60%, vs. 45% vs. 47%)
- Statistically significant gender difference
 → female PUST FDs performing better in history taking



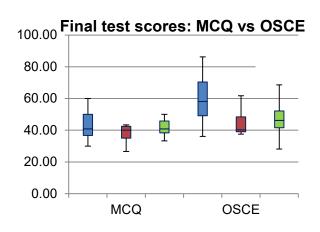




MCQ Results

- PUST FDs answered 44% correctly, (PUST 1st Year 42%; Intern FDs 38%)
- PUST FDs had the highest number of "best achievers" reaching up to 60% of correct answers (PUST 1st Year < 50%; Intern < 45%)
- Differences between the three samples are minimal, with PUST FDs and PUST 1st Year being slightly better achievers than Interns



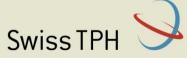




Conclusion & Recommendations

The PUST programme

- Significant and positive impact
- Expanding the programme nationwide; making it an example for all speciality trainings in the country to have a duration of at least 2 years
- Opportunity to systematically strengthen the theoretical and practical knowledge, skills and competencies
- Successful approach to increase the delivery of high quality Primary Health Care services



Acknowledgement

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- S. Bakhriddinzoda and M. Kamolov (Drivers)
- Cristina Rotaru (Statistican)





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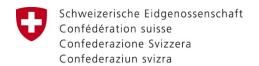
Investment Case for the PUST Programme 2019-2023

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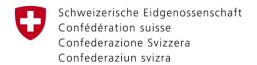
Swiss Agency for Development and Cooperation SDC



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The PUST Family Doctors are better:

How to transition from international support to sustainable national funding?



Swiss Agency for Development and Cooperation SDC

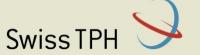
Objectives of the investment case

- Support SDC to lobby for the increase of national funding
- 2) SDC funding is ending 2019=> support international fundraising
- 3) Advocate for a controlled transition to sustainable national funding
- 4) Provide international donors with an example of "exit option" by gradually decreasing the funding

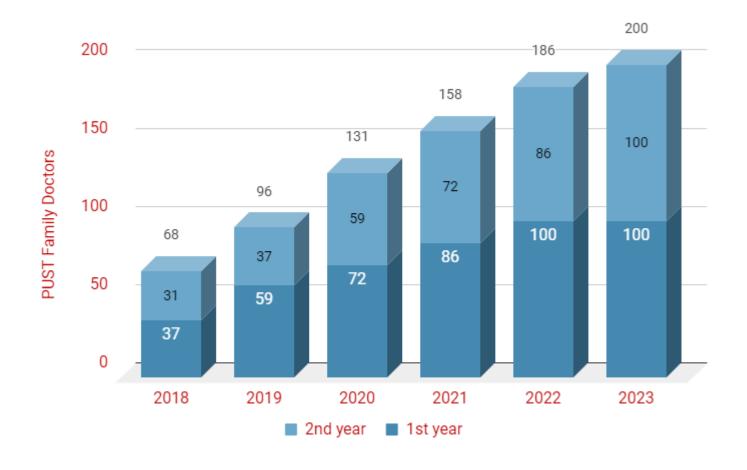


The investment case in English and Russian





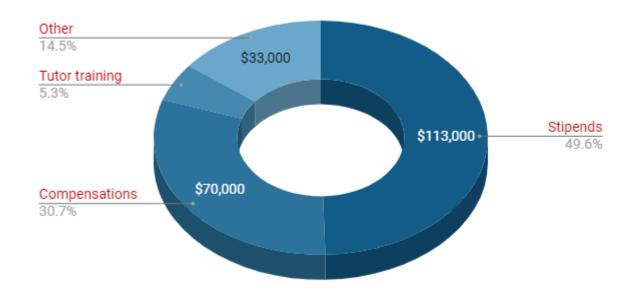
Scale-up: PUST family doctors





Total costs in 2018

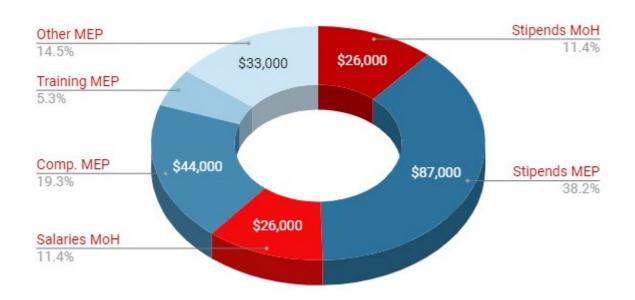
\$228,000 (TJS 2.2 million)





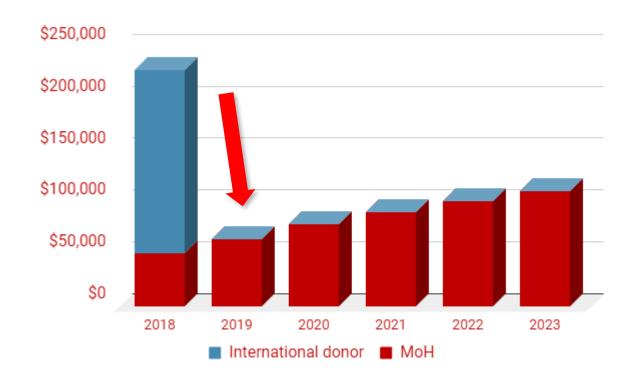
Total costs in 2018

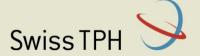
MEP \$176,000 (77%), MoH \$52,000 (23%)



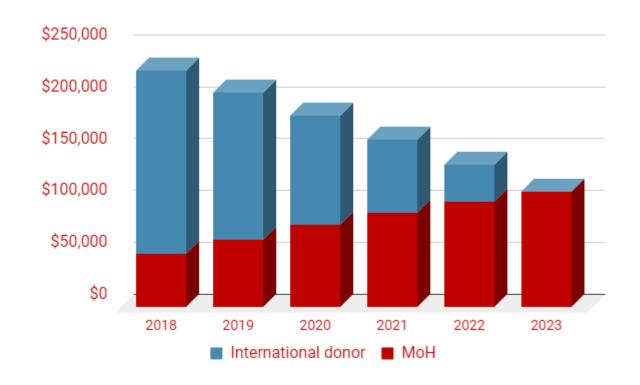


Scale-up: Annual budgets 2018-2023





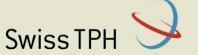
Scale-up: Annual budgets 2018-2023





Conclusion & Recommendations

- Continue PUST
- Scale-up to at least 100 new family doctors per year
- National funding has to be increased
- All new family doctors should graduate from the twoyear PUST, not via the conventional one-year internship



Conclusion & Recommendations

- The ending of SDC funding poses significant challenges to the quality and continuity
- New international funding is urgently needed
- Decrease international financing gradually to prepare for the transition to national funding
- Consider making the funding conditional on the increase of national funding and the number of new family doctors graduating



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Thank you!

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